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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,958	11/13/2003	Eran Blaugrund	67705/JPW/GJG/JBC	9422
Cooper & Dun	7590 08/27/2007 ham LLP	EXAMINER		
1185 Avenue o	f the Americas	KIM, JENNIFER M		
New York, NY	10036		ART UNIT	PAPER NUMBER
			1617	
			MAIL DATE	DELIVERY MODE
			08/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		II 41 A1				
Office Action Summary		pplication No.	Applicant(s)			
		10/712,958	BLAUGRUND ET AL.			
		xaminer	Art Unit			
		ennifer Kim	1617			
The MAILING DATE of this cor Period for Reply	nmunication appear	rs on the cover sheet	with the correspondence address			
A SHORTENED STATUTORY PERI WHICHEVER IS LONGER, FROM T - Extensions of time may be available under the pri after SIX (6) MONTHS from the mailing date of the	HE MAILING DATE ovisions of 37 CFR 1.136(a is communication. mum statutory period will a or reply will, by statute, cau nonths after the mailing date.	E OF THIS COMMU). In no event, however, may pply and will expire SIX (6) N use the application to become	NICATION. a reply be timely filed ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
_	(a) filed on 21 May	2007				
2a) This action is FINAL .	Responsive to communication(s) filed on <u>31 May 2007</u> . This action is FINAL . 2b)⊠ This action is non-final.					
<u> </u>	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	•	<u>-</u>				
4) ☐ Claim(s) 1-16 is/are pending ir 4a) Of the above claim(s) 13-16 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-12 is/are rejected. 7) ☐ Claim(s) is/are objected. 8) ☐ Claim(s) are subject to	<u>6</u> is/are withdrawn f					
Application Papers						
9) The specification is objected to 10) The drawing(s) filed on in Applicant may not request that an Replacement drawing sheet(s) income 11) The oath or declaration is object.	s/are: a) accept y objection to the dra cluding the correction	wing(s) be held in abe is required if the draw	yance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a a) All b) Some * c) None 1. Certified copies of the p 2. Certified copies of the p 3. Copies of the certified copies of the p application from the Inte	e of: riority documents h riority documents h opies of the priority rnational Bureau (F	ave been received. ave been received in documents have be PCT Rule 17.2(a)).	n Application No en received in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Re	view (PTO-948)	Paper l	w Summary (PTO-413) No(s)/Mail Date			
3) Information Disclosure Statement(s) (PTO/S Paper No(s)/Mail Date 6/28/07;5/31/07.		5) Notice 6) Other:	of Informal Patent Application			

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DETAILED ACTION

The amendment filed June 28, 2007 have been received and entered into the application.

Action Summary

The rejection of claims 1-12 under 35 U.S.C. 103(a) as being unpatentable over Youdim et al. (WO 95/11016) in view of Kaal et al. (Journal of Neurochemistry, 2000) is hereby expressly withdrawn in view of newly founded art (Orru et al. 1999).

Upon further consideration of the newly found art, the rejection made in the previous Office Action is reformulated. Therefore, this Office Action is made non-final.

Specification

The specification is objected to because of the following informalities: it appears that the term "sustantially" on page 10, line 4, should be "substantially".

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The term "substantially" typographically recites as "sustantially" is vague and indefinite because it is not clear just how much or how less time period would qualify as "substantially concurrent".

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Youdim et al. (WO 95/11016) of record in view of Orru et al. (1999) and further in view of Kaal et al. (Journal of Neurochemistry, 2000) of record.

Youdim et al. teach Applicant's active agent, R(+)-N-propargyl-1-aminoindan (Rasagiline) useful for the treatment of a subject afflicted with Parkinson's disease and a neurodegenerative disease. (abstract). Youdim et al. teach the therapeutically effective amount of the agent is about 0.1mg to about 100mg. (page 23, lines 27-32, claim 29). These amounts encompass Applicant's amounts set forth in claims 4 and 12. Youdim et al. teach that a pharmaceutically acceptable salts of the agent include, but are not limited to, the mesylate, maleate, fumarate, tartrate, acetate, phosphate and sulfate salts. (page 21, line 34-page 22, line 4). Youdim et al. teach that Rasagiline is a

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selective irreversible inhibitor of the B-form of monoamine oxidase enzyme (MAO-B). (page 1, lines 15-29).

Youdim et al. do not teach the treatment of amyotrophic lateral sclerosis (ALS) and further comprising 2-amino-6-trifluoromethoxy benzothiazole (riluzole) and its amounts.

Orru et al. teach that MAO-B hyperactivity account of the dopaminergic deficiency demonstrated in ALS like in Parkinson's disease (PD). Orru et al. teach that the formation of neurotoxic metabolites arising from the oxidative deamination catalyzed by MAO-B may be one of the causes for ALS as it is suggested in PD. (page 595 right-hand column lines 30-33).

Kaal et al. teach that riluzole is a drug currently used for the treatment of amyotrophic lateral sclerosis. Kaal et al. teach that ALS is a neurodegenerative disease characterized by selective motor neuron death. (abstract).

It would have been obvious to one of ordinary skill in the art to employ Rasagiline for the treatment of ALS because Youdim et al. teach that Rasagiline is useful for the treatment of a neurodegenerative disease and Parkinson's disease by inhibition of MAO-B enzyme and because MAO-B enzyme hyperactivity exhibits dopaminergic deficiency in ALS as taught by Orru et al. One of ordinary skill in the art would have been motivated to administer Rasagiline to ALS patients having MAO-B hyperactivity order to achieve an expected reduction of hyperactivity of MAO-B enzyme that exhibit symptoms of dopaminergic deficiency in ALS as taught by Orru et al. There is a reasonable expectation of successfully treating a dopaminergic deficiency in ALS in

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patients by administration of Rasagiline because Orru et al. teach that hyperactivity of MAO-B enzyme exhibits dopaminergic deficiency in ALS and because Rasagiline is an irreversible MAO-B inhibitor that reduces MAO-B enzyme production as taught by Youdim et al.

It would have been obvious to one of ordinary skill in the art to combine riluzole in its therapeutic amounts with Rasagiline for the treatment of ALS because each of the active agent, particularly riluzole is a drug currently used for the treatment of neurodegenerative disease such as ALS, and because Rasagiline is useful for treating symptoms of dopaminergic deficiency in ALS. One would have been motivated to combine riluzole and Rasagiline in a single formulation for the treatment of ALS in order to achieve an expected additive effect of treating a patient suffering from ALS. Thus, the claims fail to patentably distinguish over the state of the art as represented by the cited references.

For these reasons the claimed subject matter is deemed to fail to patentably distinguish over the state of the art as represented by the cited references. The claims are therefore properly rejected under 35 U.S.C. 103.

None of the claims are allowed.

Response to Arguments

Applicants' arguments filed June 28, 2007 have been fully considered but they are not persuasive. Applicants argue that the effects of Rasagiline on ALS and of the combination treatment on ALS, could not be predicted from the prior art. This is not found persuasive because on the contrary, the effects of Rasagiline on the patient in need of treating ALS can be predicted from the prior art because Orru et al. teach that MAO-B enzyme hyperactivity are responsible for dopaminergic deficiency in ALS patients and because Rasagiline is irreversible MAO-B enzyme inhibitor that inhibits production of such enzyme. Therefore, there is a reasonable expectation of successfully treating ALS in a patient exhibiting with dopaminergic deficient symptoms. Applicants argue that Youdim et al. do not include ALS in their list of neurodegenerative disease and that neurodegeneration is often the cause of the disability in many diseases not usually classified as degenerative. This is not found persuasive because Youdim et al. does not expressly teach the treatment of ALS in their list of neurodegenerative disuse, but Youdim et al. teaches the treatment of neurodegenerative disorders including Parkinson' disease by reducing MAO-B enzyme. Orru et al. teach that hyperactivity of the enzyme causes dopaminergic deficiency in ALS. Applicants argue that it is unreasonable to expect a Parkinson's disease treatment to also successfully treat ALS because there is evidence in the prior art that ALS cannot be treated by a common Parkinson's disease treatment (e.g. amantadine). This is not found persuasive because first of all, amantadine classified as antiviral agent and it not the active agent at issue. Second of all, on the other hand, there is a reasonable expectation of success by administration of Rasagiline in ALS patients who

demonstrates dopaminergic deficit symptoms because Orru et al. teach that MAO-B hyperactivity account for the demonstrated dopaminergic deficiency in ALS patients.

Thus, the claims fail to patentably distinguish over the state of the art as represented by the cited references.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Kim whose telephone number is 571-272-0628. The examiner can normally be reached on Monday through Friday 6:30 am to 3 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreenivasan Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jennifer Kim
Patent Examiner
Art Unit 1617

Jmk August 18, 2007